

Form 1449*	Atty. Docket No.: 950.011US2	Serial No. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Julie A. Kirihara et al.	
	Filing Date: Herewith	Group: Unknown

U.S. PTO
09/602840
06/23/00

U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>[Signature]</i>	077,205,155	/ /	Tomes, et al.			06/10/88
	077,392,176	/ /	Adams, et al.			08/09/89
	077,513,298	/ /	Adams, et al.			04/17/90
	4,370,160	01/25/1983	Ziemelis	71	117	06/27/78
	4,399,216	08/16/1983	Axel, R., et al.	435	6	02/25/83
	4,520,113	05/28/1985	Gallo, R.C., et al.	436	504	04/23/84
	4,535,060	08/13/1985	Comai, L.	435	172.3	01/05/83
	4,536,475	08/20/1985	Anderson, D.M.	435	172.3	10/05/82
	4,559,301	12/17/1985	Turner, J.R., et al.	435	76	03/03/83
	4,559,302	12/17/1985	Ingolia	435	172.3	11/01/82
	4,581,847	04/15/1986	Hibberd, K.A., et al.	47	58	09/04/84
	4,634,665	01/06/1987	Axel, R., et al.	435	68	08/11/68
	4,642,411	01/10/1987	Hibberd, K.A., et al.	800	1	02/21/85
	4,665,030	05/12/1987	Close, K.R.	435	240	09/07/84
	4,666,844	05/19/1987	Cheng, D.S.	435	240	09/07/84
	4,683,202	07/28/1987	Mullis, K.B.	435	91	11/25/85
	4,708,818	11/24/1987	Montagnier, L., et al.	435	5	10/08/85
	4,727,028	02/23/1988	Santerre, R.F., et al.	435	240.2	06/22/81
	4,743,548	05/10/1988	Crossway, A., et al.	435	172.3	08/01/85
	4,761,373	08/02/1988	Anderson, P.C., et al.	435	172.3	08/10/84
	4,806,483	02/21/1989	Wang, A.S.	435	240.49	08/18/86
	4,835,357	12/05/1989	Larkins, B., et al.	530	373	04/21/88
	4,836,878	12/12/1989	Larkins, B., et al.	536	26	11/22/88
	4,940,335	07/10/1990	Shah, D.M., et al.	800	205	07/07/86
	4,945,050	07/31/1990	Sanford, J.C., et al.	435	172.1	11/13/84
	4,956,282	09/11/1990	Goodman, R.M., et al.	435	69.51	07/29/85
	4,971,908	11/20/1990	Kishore, G.M., et al.	435	172.1	04/22/88
	5,001,060	03/19/1991	Peacock, J.W., et al.	435	172.3	06/15/87
	5,004,863	04/02/1991	Umbeck, P.F.	800	205	12/03/86
	5,013,658	05/07/1991	Dooner, H., et al.	435	172.3	05/13/88
	5,015,580	05/14/1991	Christou, et al.	435	172.3	05/12/88
	5,034,322	07/23/1991	Rogers, S.G., et al.	435	172.3	04/05/89
	5,036,006	07/30/1991	Sanford, J.C., et al.	435	170.1	08/17/89
	5,049,500	09/17/1991	Arnizen, C.J., et al.	435	172.3	01/13/87
	5,077,399	12/31/1991	Brauer, D., et al.	536	27	04/27/90
	5,082,767	01/21/1992	Hatfield, G.W., et al.	435	6	02/27/89
	5,094,945	03/10/1992	Comai, L.	435	172.3	08/30/88
	5,097,093	03/17/1992	Vandeventer, W.E., et al.	800	200	08/30/89
	5,110,732	05/05/1992	Benfey, P.N., et al.	435	172.3	03/14/89
	5,134,074	07/28/1992	Gordon, P.N., et al.	435	240.4	03/23/90
	5,145,777	09/08/1992	Goodman, H.M., et al.	435	172.3	05/09/91

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*Substitute Disclosure Statement Form (PTO-1449)

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U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,164,310	11/17/1992	Smith, R.H., et al.	435	172.3	02/05/91
	5,177,010	01/05/1993	Goldman, S.L., et al.	435	172.2	09/05/90
	5,187,073	02/16/1993	Goldman, S.L., et al.	435	172.3	11/13/89
	5,187,267	02/16/1993	Comai, L., et al.	536	23.1	06/19/90
	5,188,642	02/23/1993	Shah, D.M., et al.	47	58	02/12/90
	5,188,958	02/23/1993	Moloney, M.M., et al.	435	240.4	08/14/89
	5,196,342	03/23/1993	Donovan, W.P.	435	320.1	12/18/90
	5,215,912	06/01/1993	Hoffman, L.M., et al.	435	240.4	08/14/89
	5,231,020	07/17/1993	Jorgensen, R.A., et al.	435	172.3	03/29/90
	5,240,841	08/31/1993	Johnston, S.A., et al.	435	172.3	03/25/92
	5,250,515	10/05/1993	Fuchs, R.L., et al.	514	12	12/20/91
	5,254,799	10/19/1993	De Greve, H.J., et al.	800	205	01/18/85
	5,258,300	11/02/1993	Glassman, K.F., et al.	435	240	06/09/88
	5,263,463	12/07/1993	Jefferson, R.A.	536	23.7	12/08/89
	5,272,072	12/21/1993	Kaneko, T., et al.	435	172.3	10/30/91
	5,273,894	12/28/1993	Strauch, E., et al.	435	129	11/20/91
	5,276,268	01/04/1994	Strauch, E., et al.	800	205	07/29/91
	5,278,325	01/11/1994	Strop, H.R., et al.	554	12	07/30/90
	5,290,924	03/01/1994	Last, D.I., et al.	536	24.1	04/21/93
	5,302,523	04/12/1994	Coffee, R., et al.	435	172.1	06/21/90
	5,310,667	05/10/1994	Eichholtz, D.A., et al.	435	172.3	07/17/89
	5,350,639	09/27/1994	Shillito, R., et al.	435	240.47	03/01/93
	5,352,605	10/04/1994	Fraley, R.T., et al.	435	240.4	10/28/93
	5,367,110	11/22/1994	Galili, G., et al.	800	205	11/13/91
	5,371,003	12/06/1994	Murry, L.E., et al.	435	172.3	09/23/93
	5,371,015	12/06/1994	Sanford, J.C., et al.	435	287	01/09/91
	5,380,831	01/10/1995	Adang, et al.	536	23.71	05/03/93
	5,384,253	01/24/1995	Krzyzek, R.A., et al.	435	172.3	12/28/90
	5,405,765	04/11/1995	Vasil, L.K., et al.	435	172	08/23/91
	5,422,254	06/06/1995	Londesborough, J.L., et al.	435	97	02/14/92
	5,436,389	07/25/1995	Pfund, J.H.	800	200	12/07/93
	5,436,393	07/25/1995	Rocha-Sosa, M., et al.	800	205	12/22/92
	5,451,513	09/19/1995	Maliga, P., et al.	438	172.3	08/25/93
	5,464,763	11/07/1995	Schilperoort, R.A., et al.	435	172.3	12/23/93
	5,472,869	12/05/1995	Krzyzek, R.A., et al.	435	240.4	06/08/94
	5,484,956	01/16/1996	Lundquist, R.C., et al.	800	205	01/22/90
	5,489,520	02/06/1996	Adams, T.R., et al.	435	172.3	04/17/90
	5,491,288	02/13/1996	Chaubet, N., et al.	800	205	05/09/94
	5,495,071	02/27/1996	Fischhoff, D.A., et al.	800	205	06/04/93
	5,500,365	03/19/1996	Fischhoff, D.A., et al.	435	240.4	10/09/92
	5,508,468	04/16/1996	Lundquist, R.C., et al.	800	205	08/03/94

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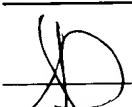
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U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,516,668	05/14/1996	Maruta, Y.	435	172.3	11/24/93
	5,538,877	07/23/1996	Lundquist, R.C., et al.	435	172.3	01/22/90
	5,538,880	07/23/1996	Lundquist, R.C., et al.	435	172.3	01/22/90
	5,545,545	08/13/1996	Gengenbach, B.G., et al.	435	172.3	04/27/93
	5,550,318	08/27/1996	Adams, T.R., et al.	800	205	04/17/90
	5,554,798	09/10/1996	Lundquist, R.C., et al.	800	205	05/15/95
	5,559,323	09/24/1996	Falco, S.C., et al.	536	23.1	02/03/94
	5,561,236	11/01/1996	Leemans, J., et al.	800	205	05/17/90
	5,563,304	10/08/1996	Tarczynski, M.C., et al.	800	205	01/25/94
	5,565,347	10/15/1996	Fillatti, J.J., et al.	435	172.3	08/30/93
	5,567,600	10/22/1996	Adang, M.J., et al.	536	23.71	09/24/83
	5,567,862	10/22/1996	Adang, M.J., et al.	800	205	09/24/83
	5,576,203	11/19/1996	Hoffman, L.M.	435	172.3	06/07/95
	5,578,702	11/26/1996	Adang, M.J., et al.	530	350	09/26/83
	5,580,716	12/03/1996	Johnston, S.A., et al.	435	5	11/17/94
	5,580,761	12/03/1996	Greatbatch, W., et al.	435	91.32	03/23/94
	5,589,615	12/31/1996	De Clercq, A., et al.	800	205	04/18/94
	5,589,616	12/31/1996	Hoffman, L.M.	800	205	08/29/86
	5,591,616	01/07/1997	Hiei, Y., et al.	435	172.3	05/03/94
	5,593,963	01/14/1997	Van Ooijen, A.J., et al.	514	12	11/02/93
	5,595,733	01/21/1997	Carswell, G., et al.	424	93.21	05/22/95
	5,596,131	01/21/1997	Horn, M.E., et al.	800	205	06/07/95
	5,603,067	04/22/1997	Vanderkerckhove, J.S., et al.	536.1	24.1	06/02/95
	5,625,136	04/29/1997	Kozziel, M.G., et al.	800	205	09/25/92
	5,641,664	06/24/1997	D'Halluin, K.D., et al.	435	172.3	06/23/93
	5,641,876	06/24/1997	McElroy, D., et al.	536	24.1	10/27/93
	5,677,474	10/14/1997	Rogers, J.C.	800	205	06/07/95
	5,693,507	12/02/1997	Daniell, H., et al.	435	172.3	07/20/94
	5,743,477	04/28/1998	Walsh, T.A., et al.	424	94.6	08/27/92
	5,773,691	06/30/1998	Falco, S.C., et al.	800	205	06/07/95
	5,780,708	07/14/1998	Lundquist, R.C., et al.	800	205	01/22/90
	5,780,709	07/14/1998	Adams, T.R., et al.	800	205	08/25/93
	5,874,265	02/23/1999	Adams, T.R., et al.	435	172.3	05/23/95
	5,886,244	03/23/1999	Tomes, D.T., et al.	800	293	05/15/98
	5,919,675	07/06/1999	Adams, T.R., et al.	435	172.3	05/23/95
	5,969,213	10/19/1999	Adams, T.R., et al.	800	205	05/23/95
	5,990,387	11/23/1999	Tomes, D.T., et al.	800	293	10/06/94
	5,990,390	11/23/1999	Lundquist, R.C., et al.	800	205	03/27/96
	6,013,863	01/11/2000	Lundquist, R.C., et al.	800	293	04/21/97
	6,020,539	02/01/2000	Goldman, S.L., et al.	800	294	06/27/94
	6,022,846	02/08/2000	Van Ooijen, A.J., et al.	512	5	06/15/98

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U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	6,025,545	02/15/2000	Lundquist, R.C., et al.	800	293	04/21/97

FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	0126537	11/29/1984	European	A61K	9/52		
	0131623	01/23/1985	European	C12N	15/11		
	0141373	05/15/1985	European	A01G	7/00		
	0142924	05/19/1985	European	C12N	15/00		
	0154204	09/11/1985	European	C12N	15/00		
	0160390	11/06/1985	European				
	0174791	03/19/1986	European	C12N	15/00		
	0189707	08/06/1986	European	C12N	15/00		
	0193259	09/03/1986	European	C12N	15/00		
	0202668	11/26/1986	European	C12N	5/02		
	0204549	12/10/1986	European	C12N	15/00		
	0242236	10/21/1987	European	C12N	15/00		
	0242246	10/21/1987	European	C12N	15/00		
	0257472	03/02/1988	European	C12N	15/00		
	0262971	04/06/1988	European	A01H	1/02		
	0269601	06/01/1988	European	C12N	15/00		
	0270356	06/08/1988	European	C12N	15/00		
	0271408	06/15/1988	European	C12N	15/00		
	0275069	07/20/1988	European	C12N	15/00		
	0275957	07/27/1988	European	C12N	15/00		
	0280400	08/31/1988	European	A01C	1/06		
	0282164	09/14/1988	European	C12N	5/00		
	0289479	11/02/1988	European	C12N	15/00		
	0290395	11/09/1988	European	C12N	15/00		
	0292435	11/23/1988	European				
	0299552	01/18/1988	European	C12N	15/00		
	0301749	02/01/1989	European	C12N	15/00		
	0331083	09/06/1989	European	C12N	15/00		
	0331855	09/13/1989	European	C12M	3/00		
	0334539	09/27/1989	European	C12N	15/00		
	0335528	10/04/1989	European	C12N	15/00		
	0343348	12/07/1989	European	A01N	65/00		
	0353908	02/07/1990	European	C12N	15/29		
	0359472	03/21/1990	European	C12N	15/32		
	0359617	03/21/1990	European	C12N	15/53		
	0360750	03/28/1990	European	C12N	15/29		
	0385982	09/05/1990	European	C12N	15/82		

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FOREIGN PATENT DOCUMENTS

					Translation	
**Examiner					Yes	No
Inventor	Document Number	Date	Country	Class	Subclass	
	0408403	01/16/1991	European	C12N	63/00	
	0420358	04/03/1991	European	C12N	15/55	
	0424047	04/24/1991	European	C12	15	
	0442174	08/21/1991	European	C12	15	
	0442175	08/21/1991	European	A01	1/2	
	0452269	11/16/1991	European	C12	15	
	0459643	05/09/1991	European	C12	15	
	0469273	02/05/1992	European	C12	15	
	0485970	05/20/1992	European	C12	15	
	0589110	03/30/1994	European	A01	62	
	0620381	10/19/1994	European			
	08-103267	04/23/1996	Japan	C12N	9/02	
	08-266179	10/15/1996	Japan	A01H	5/00	
	18970	09/06/1882	Germany	47		
	2032443	06/20/1991	Canada	C12N	15/87	
	2064761	02/10/1991	Canada	C12N	15/82	
	2120514	04/15/1993	Canada	C12N	015/32	
	2159173	11/27/1985	Great Britain	C12N	15/00	
	2661421	10/31/1991	France	C12N	15/09	
	3738874	11/17/1988	Germany	A01	106	
	4013099	10/31/1991	Germany	C12N	15/82	
	61-134343	06/21/1986	Japan			
	61-224990	10/06/1986	Japan			
	30893/87	12/05/1988	Australia	C12	15	
	35/01856	05/09/1985	PCT	01B	76	
	35/02972	07/18/1985	PCT	A01C	1/06	
	35/02973	07/18/1985	PCT	A01J	7/00	
	36/01536	03/13/1986	PCT	C12P	15/00	
	36/03776	07/03/1986	PCT	C12N	15/00	
	37/04181	07/16/1987	PCT	C12N	1/00	
	37/05629	09/24/1987	PCT	C12N	15/00	
	38/08034	10/20/1988	PCT	C12P	21/00	
	3801444	01/02/1990	Netherlands	C12N	15/87	
	39/04371	05/18/1989	PCT	C12P	21/00	
	39/10396	11/02/1989	PCT	C12N	5/00	
	39/11789	12/14/1989	PCT	A01H	1/00	
	39/12102	12/14/1989	PCT	C12N	15/00	
	90/01551	02/22/1990	PCT	C12N	15/82	
	90/01869	03/08/1990	PCT	A01H	1/04	
	90/02801	03/22/1990	PCT	C12N	15/32	
	90/10691	08/20/1990	PCT	C12N	5/00	

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n No	Inventor's Name	Date	Country	Class	Subclass	Translation	
						Yes	
	90/10725	09/20/1990	PCT		C23C 16/00		
	91/00183	05/01/1991	PCT				
	91/02071	02/21/1991	PCT		C12 15		
	91/04270	04/04/1991	PCT		C07K 13/00		
	91/04323	04/04/1991	PCT		C12 9/1		
	91/10725	07/25/1991	PCT		C12N 5/00		
	91/16432	10/31/1991	PCT		C12N 15/31		
	92/06205	04/16/1992	PCT		C12N 15/82		
	92/09696	06/11/1992	PCT		C12N 15/82		
	92/12250	07/23/1992	PCT		C12 15		
	92/14822	09/03/1992	PCT		C12N 15/29		
	92/17580	10/15/1992	PCT		C12N 05/10		
	92/19731	11/12/1992	PCT		C12N 15/00		
	93/06220	04/01/1993	PCT		C12N 15/82		
	93/07278	04/15/1993	PCT		C12N 15/82		
	93/08682	05/13/1993	PCT		A01H 1/00		
	93/09237	05/13/1993	PCT		C12N 15/82		
	93/14210	07/22/1993	PCT		C12N 15/82		
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	94/10315	05/11/1994	PCT				
	94/14970	07/07/1994	PCT		C12N 15/82		
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	94/21805	09/29/1994	PCT		C12N 15/82		
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	95/13389	05/18/1995	PCT				
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	96/29357	10/03/1996	PCT				
	97/22703	06/26/1997	PCT		C12N 15/54		
	97/47731	12/18/1997	PCT				
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(Including Author, Title, Date, Pertinent Pages, Etc.)

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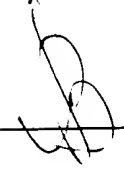
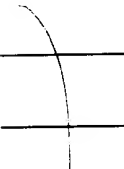

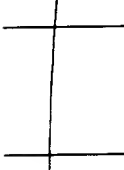
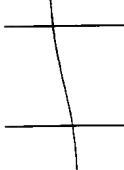
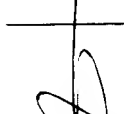
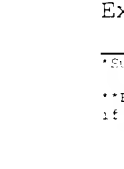

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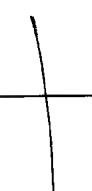

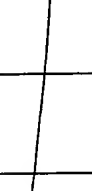
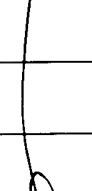
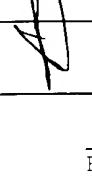
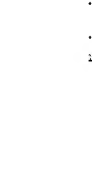

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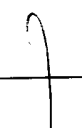

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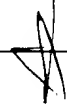
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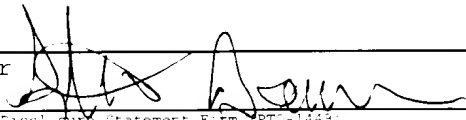
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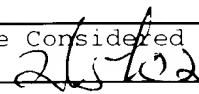
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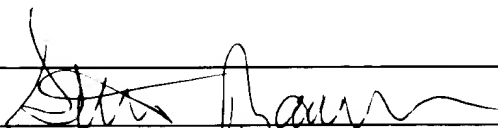
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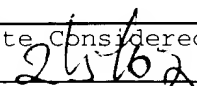
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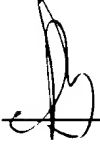


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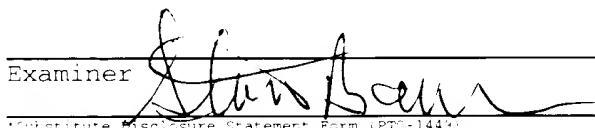
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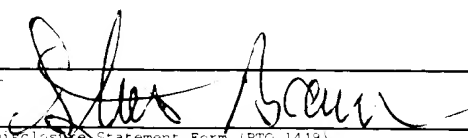
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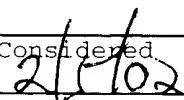
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
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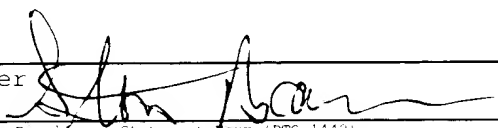
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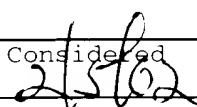
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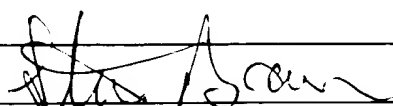
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